

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - RENEWAL

PERMITTEE

CEMEX

Attn: Larry Woodward
12101 South Doty Avenue
Chicago, Illinois 60633

Application No.: 82040005

I.D. No.: 031600BUN

Applicant's Designation:

Date Received: June 5, 2003

Subject: Cement Transfer Plant

Date Issued: June 16, 2004

Expiration Date: June 16, 2009

Location: 12101 South Doty Avenue, Chicago, 60633

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of

5 Cement Silos Controlled by 2 Baghouses
2 Truck Loadouts Controlled by 2 Baghouses
Cement Transfer System (Consisting of 2 Bucket Elevators, Airslides, and Cement Holding Pit with Digger) Controlled by a Baghouse

pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., Particulate Matter less than 10 microns (PM₁₀) to less than 100 Tons/yr). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
2. Emissions and operation of the Cement Transfer Plant shall not exceed the following limits:

<u>Process</u>	<u>Total Cement Throughput</u>		<u>Pollutant</u>	<u>Controlled</u>	<u>Emissions</u>	
	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>		<u>Factor (Lb/Ton)</u>	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>
Silo Loading	50,000	500,000	PM	0.00099	49.5	0.25
			PM ₁₀	0.00034	17	0.09
Truck Loadout	50,000	500,000	PM	0.00099	49.5	0.25
			PM ₁₀	0.00034	17	0.09
Cement Transfer	50,000	500,000	PM	0.00099	49.5	0.25
			PM ₁₀	0.00034	17	0.09
Cement Digger	10,000	100,000	PM	0.0024	24	0.12
			PM ₁₀	0.0018	18	0.09
Ship Receiving	50,000	500,000	PM	0.0018	90	0.45
			PM ₁₀	0.0011	55	0.28

These limits are based on standard AP-42 emission factors, maximum hourly production rates, and information provided in the application. Compliance with annual limits shall be determined from a running total of 12 months of data.

3. Pursuant to 35 Ill. Adm. Code 212.313, emissions from particulate collection equipment shall not exceed 68 mg/dscm (0.03 gr/dscf).
4. Pursuant to 35 Ill. Adm. Code 212.316 (c), the Permittee shall not cause or allow fugitive particulate matter emissions from any roadway or parking area to exceed an opacity of 10 percent, except that the opacity shall not exceed 5 percent at quarries with a capacity to produce more than 1 million ton/yr of aggregate.
5. Pursuant to 35 Ill. Adm. Code 212.316 (d), the Permittee shall not cause or allow fugitive particulate matter emissions from any storage pile to exceed an opacity of 10 percent, to be measured four ft from the pile surface.
6. Pursuant to 35 Ill. Adm. Code 212.306 (f), the Permittee shall not cause or allow fugitive particulate matter emissions from any emission unit to exceed an opacity of 20 percent.
7. Pursuant to 35 Ill. Adm. Code 212.324 (c), the Permittee shall not cause or allow the emission into the atmosphere, of PM₁₀ from any process emission unit to exceed 68.7 mg/scm (0.03 gr/scf) during any one hour period.
8. Pursuant to 35 Ill. Adm. Code 212.301, the Permittee shall not cause or allow any visible emissions of fugitive particulate matter from any process, including material handling or storage activity, beyond the property line of the emission source.
9. The Permittee shall maintain the following records:
 - a. Cement received (tons/mo and tons/yr);
 - b. Cement loadout (ton/mo and ton/yr);
 - c. Total PM and PM₁₀ emissions (lb/mo and ton/yr); and
 - d. Operating and maintenance logs for the baghouse control systems, including: maintenance activities, with date and description of inspections, repair actions, and equipment or filter bag replacements, etc.
10. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.

11. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
12. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

If you have any questions on this, please call Eric Jones at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

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cc: Illinois EPA, FOS Region 1
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from Cement Transfer Plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario, which results in maximum emissions from such a plant. This permit limits Cement throughput to 500,000 Tons/yr. The resulting maximum emissions are well below the levels, e.g., 100 Tons per year of PM₁₀, at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

EMISSIONS (Tons/Yr)						
<u>Equipment/Process</u>	<u>PM</u>	<u>PM₁₀</u>	<u>NO_x</u>	<u>CO</u>	<u>SO₂</u>	<u>VOM</u>
Cement Silo Loading (Total)	1.32	0.64	---	---	---	---
Cement Truck Loadout (Total)						
Cement Transfer (Total)						
Cement Digger						
Cement Ship Receiving (Total)						
Totals:	1.32	0.64	---	---	---	---

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